# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## Mode $06 Test ID by Model: Group 1

| Monitor | Test ID | Test Limit Type & Comp. ID | Odyssey | Civic HX (CVT) | Civic CX/DX/ LX/EX/Si | Civic HX (5MT) | Prelude |
|---|---|---|---|---|---|---|---|
| EGR Flow Rate | $01 | $80 | X | X | X | X | X |
| Catalyst (Bank 1) | $04 | $02 | | | | | |
| | $05/$06 | $81/$81 | X | | X*[1] | | |
| | $06 | $80 | | X | X*[2] | X | X |
| Catalyst (Bank 2) | $07 | $80 | | | | | |
| | $07/$0A | $81/$81 | | | | | |
| PHO2S Heater (Bank 1) | $10/$11 | $80/$00 | X | X | X*[3] | | X |
| | $10/$11 | $81/$01 | | | | | |
| | $10/$11 | $84/$04 | | | X*[4] | | |
| | $10/$11 | $85/$05 | | | | | |
| | $10/$11 | $86/$06 | | | | | |
| | $10/$11 | $87/$07 | | | | | |
| PHO2S Heater (Bank 2) | $12/$13 | $81/$01 | | | | | |
| | $12/$13 | $85/$05 | | | | | |
| | $12/$13 | $86/$06 | | | | | |
| A/F Ratio Sensor Heater | $0E | $00 | | | | X | |
| SHO2S Heater (Bank 1) | $18/$19 | $80/$00 | X | X | X | X | X |
| | $18/$19 | $81/$01 | | | | | |
| | $18/$19 | $85/$05 | | | | | |
| | $18/$19 | $86/$06 | | | | | |
| | $18/$19 | $87/$07 | | | | | |
| | $18/$19 | $88/$08 | | | | | |
| SHO2S Heater (Bank 2) | $1A/$1B | $81/$01 | | | | | |
| | $1A/$1B | $86/$06 | | | | | |

*1: D16Y8 engine, B16A2 engine
*2: D16Y7 engine
*3: D16Y7 engine, B16A2 engine
*4: D16Y8 engine

# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## Mode $06 Test ID by Model: Group 1 (cont'd)

| Monitor | Test ID | Test Limit Type & Comp. ID | Odyssey | Civic HX (CVT) | Civic CX/DX/ LX/EX/Si | Civic HX (5MT) | Prelude |
|---|---|---|---|---|---|---|---|
| EVAP System for tank leak check | $21/$23/ $24/$25/ $26 | $80/$00/ $00/$80/ $80 | | | | | |
| | $21/$26/ $27 | $81/$81/ $81 | X | X | X | X | X |
| | $21/$26/ $27/$38/ $3A/$3B/ $3C | $82/$82/ $82/$02/ $82/$82/ $02 | | | | | |
| | $28/$2A/ $2B | $80/$80/ $00 | | | | | |
| | $30/$32/ $33 | $80/$00/ $00 | | | | | |
| EVAP System for canister leak check | $29/$2D/ $2E/$2F | $81/$01/ $81/$81 | X | X | X | X | X |
| | $29/$2D/ $2E/$2F/ $3E | $82/$02/ $82/$82/ $82 | | | | | |
| | $2C/$2D/ $2E/$2F | $80/$80/ $00/$00 | | | | | |
| | $31/$34/ $35/$36 | $80/$00/ $80/$80 | | | | | |

# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## Mode $06 Test ID by Model: Group 2

| Monitor | Test ID | Test Limit Type & Comp. ID | Accord L4 DX/LX/ EX | Accord EX (ULEV) | Accord V6 LX/EX | CR-V | Civic GX (CNG) |
|---|---|---|---|---|---|---|---|
| EGR Flow Rate | $01 | $80 | X | X | X | | X |
| Catalyst (Bank 1) | $04 | $02 | | | | | |
| | $05/$06 | $81/$81 | X*[5] | X | X*[7] | | |
| | $06 | $80 | X*[6] | | X*[8] | X | |
| Catalyst (Bank 2) | $07 | $80 | | | | | |
| | $07/$0A | $81/$81 | | | | | |
| PHO2S Heater (Bank 1) | $10/$11 | $80/$00 | X | | X | X | |
| | $10/$11 | $81/$01 | | | | | |
| | $10/$11 | $84/$04 | | | | | X |
| | $10/$11 | $85/$05 | | | | | |
| | $10/$11 | $86/$06 | | | | | |
| | $10/$11 | $87/$07 | | | | | |
| PHO2S Heater (Bank 2) | $12/$13 | $81/$01 | | | | | |
| | $12/$13 | $85/$05 | | | | | |
| | $12/$13 | $86/$06 | | | | | |
| A/F Ratio Sensor Heater | $0E | $00 | | X | | | |
| SHO2S Heater (Bank 1) | $18/$19 | $80/$00 | X | X | X | X | X |
| | $18/$19 | $81/$01 | | | | | |
| | $18/$19 | $85/$05 | | | | | |
| | $18/$19 | $86/$06 | | | | | |
| | $18/$19 | $87/$07 | | | | | |
| | $18/$19 | $88/$08 | | | | | |
| SHO2S Heater (Bank 2) | $1A/$1B | $81/$01 | | | | | |
| | $1A/$1B | $86/$06 | | | | | |

*5: LEV
*6: Tier-1/TLEV
*7: TLEV
*8: Tier-1

# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## Mode $06 Test ID by Model: Group 2 (cont'd)

| Monitor | Test ID | Test Limit Type & Comp. ID | Accord L4 DX/LX/ EX | Accord EX (ULEV) | Accord V6 LX/EX | CR-V | Civic GX (CNG) |
|---|---|---|---|---|---|---|---|
| EVAP System for tank leak check | $21/$23/ $24/$25/ $26 | $80/$00/ $00/$80/ $80 | | | | | |
| | $21/$26/ $27 | $81/$81/ $81 | X | X | X | X | |
| | $21/$26/ $27/$38/ $3A/$3B/ $3C | $82/$82/ $82/$02/ $82/$82/ $02 | | | | | |
| | $28/$2A/ $2B | $80/$80/ $00 | | | | | |
| | $30/$32/ $33 | $80/$00/ $00 | | | | | |
| EVAP System for canister leak check | $29/$2D/ $2E/$2F | $81/$01/ $81/$81 | X | X | X | X | |
| | $29/$2D/ $2E/$2F/ $3E | $82/$02/ $82/$82/ $82 | | | | | |
| | $2C/$2D/ $2E/$2F | $80/$80/ $00/$00 | | | | | |
| | $31/$34/ $35/$36 | $80/$00/ $80/$80 | | | | | |

# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## SAE J1979 Mode $06 Information by Test ID

**EGR Flow Rate**

| | | | |
|---|---|---|---|
| Test ID | $01 | Test Limit Type and Component ID | $80 |
| DTC | P0401 | | |
| Test Description | Check EGR flow by monitoring the change in intake manifold pressure between EGR valve open and closed during fuel cut. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 1.34 (mmHg)<br>The lowest limit value: Output value (Decimal) x 1.34 (mmHg)<br>The highest limit value: Not applicable | | |

**Catalyst (Bank 1)**

| | | | |
|---|---|---|---|
| Test ID | $05 | Test Limit Type and Component ID | $81 |
| DTC | P0420 | | |
| Test Description | Catalyst capability monitored by OSC index. OSC index is calculated from the secondary oxygen sensor signal during the secondary oxygen sensor feedback control. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: No unit<br>The lowest limit value: No unit<br>The highest limit value: Not applicable | | |

| | | | |
|---|---|---|---|
| Test ID | $06 | Test Limit Type and Component ID | $81 |
| DTC | P0420 | | |
| Test Description | Catalyst capability monitored by the secondary oxygen sensor signal during the secondary oxygen sensor feedback control. | | |
| Store Timing | Normal judgement | | |
| Conversion to Engineering Units | Measured value: Output value x 10 (msec.)<br>The lowest limit value: Output value x 10 (msec.)<br>The highest limit value: Not applicable | | |

## SAE J1979 Mode $06 Information by Test ID

| | | | |
|---|---|---|---|
| Test ID | $06 | Test Limit Type and Component ID | $80 |
| DTC | P0420 | | |
| Test Description | Catalyst capability monitored by the secondary oxygen sensor signal during the secondary oxygen sensor feedback control. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value x 10 (msec.)<br>The lowest limit value: Output value x 10 (msec.)<br>The highest limit value: Not applicable | | |

**PHO2S Heater (Bank 1)**

| | | | |
|---|---|---|---|
| Test ID | $10 | Test Limit Type and Component ID | $80 |
| DTC | P0135 | | |
| Test Description | Circuit check of A/F sensor heater by monitoring the sensor output current during heater on. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 8.13 (mA)<br>The lowest limit value: Output value (Decimal) x 8.13 (mA)<br>The highest limit value: Not applicable | | |

| | | | |
|---|---|---|---|
| Test ID | $11 | Test Limit Type and Component ID | $00 |
| DTC | P0135 | | |
| Test Description | Circuit check of A/F sensor heater by monitoring the sensor output current during heater on. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 8.13 (mA)<br>The lowest limit value: Not applicable<br>The highest limit value: Output value (Decimal) x 8.13 (mA) | | |

# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## SAE J1979 Mode $06 Information by Test ID

| Test ID | $10 | Test Limit Type and Component ID | $84 |
|---|---|---|---|
| DTC | P0135 | | |
| Test Description | Circuit check of A/F sensor heater by monitoring the sensor output current during heater on. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 31.5 (mA)<br>The lowest limit value: Output value (Decimal) x 31.5 (mA)<br>The highest limit value: Not applicable | | |

| Test ID | $11 | Test Limit Type and Component ID | $04 |
|---|---|---|---|
| DTC | P0135 | | |
| Test Description | Circuit check of A/F sensor heater by monitoring the sensor output current during heater on. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 31.5 (mA)<br>The lowest limit value: Not applicable<br>The highest limit value: Output value (Decimal) x 31.5 (mA) | | |

**A/F Ratio Sensor Heater**

| Test ID | $0E | Test Limit Type and Component ID | $00 |
|---|---|---|---|
| DTC | P1167 | | |
| Test Description | Check of A/F sensor "non-activation" by monitoring the sensor non-activation time. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 1.0 (sec.)<br>The lowest limit value: Not applicable<br>The highest limit value: Output value (Decimal) x 1.0 (sec.) | | |

## SAE J1979 Mode $06 Information by Test ID

**SHO2S Heater (Bank 1)**

| | | | |
|---|---|---|---|
| Test ID | $18 | Test Limit Type and Component ID | $80 |
| DTC | P0141 | | |
| Test Description | Circuit check of secondary oxygen sensor heater by monitoring the sensor output current during heater on. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 8.13 (mA)<br>The lowest limit value: Output value (Decimal) x 8.13 (mA)<br>The highest limit value: Not applicable | | |

| | | | |
|---|---|---|---|
| Test ID | $19 | Test Limit Type and Component ID | $00 |
| DTC | P0141 | | |
| Test Description | Circuit check of secondary oxygen sensor heater by monitoring the sensor output current during heater on. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 8.13 (mA)<br>The lowest limit value: Not applicable<br>The highest limit value: Output value (Decimal) x 8.13 (mA) | | |

**EVAP System for tank leak check**

| | | | |
|---|---|---|---|
| Test ID | $21 | Test Limit Type and Component ID | $81 |
| DTC | P1456 | | |
| Test Description | Monitoring the fluctuation of fuel tank pressure sensor output before and after the two-way bypass valve is opened after engine starting with cold condition. | | |
| Store Timing | Normal judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 0.488281 (mmHg)<br>The lowest limit value: Output value (Decimal) x 0.488281 (mmHg)<br>The highest limit value: Not applicable | | |

# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## SAE J1979 Mode $06 Information by Test ID

| Test ID | $26 | Test Limit Type and Component ID | $81 |
|---|---|---|---|
| DTC | P1456 | | |
| Test Description | Monitoring either the difference between maximum and minimum of fuel tank pressure sensor output value in certain time after engine starting with cold condition or the difference between the sensor output value when valve is opened to air and that of monitoring. | | |
| Store Timing | Normal judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 0.488281 (mmHg)<br>The lowest limit value: Output value (Decimal) x 0.488281 (mmHg)<br>The highest limit value: Not applicable | | |

| Test ID | $27 | Test Limit Type and Component ID | $81 |
|---|---|---|---|
| DTC | P1456 | | |
| Test Description | Monitoring the fluctuation of fuel tank pressure sensor output value. It should be monitored before and after the two-way bypass valve is opened, after fuel tank pressure is checked in certain time after engine starting with cold condition. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value (Decimal) x 0.488281 (mmHg)<br>The lowest limit value: Output value (Decimal) x 0.488281 (mmHg)<br>The highest limit value: Not applicable | | |

**EVAP System for canister leak check**

| Test ID | $29 | Test Limit Type and Component ID | $81 |
|---|---|---|---|
| DTC | P1457 | | |
| Test Description | Monitoring the fuel tank pressure sensor output value when vent shut valve is closed while fuel tank pressure is equalized to same as atmospheric pressure before canister leak monitoring. | | |
| Store Timing | Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value x 0.488281 - 62.500000 (mmHg)<br>The lowest limit value: Output value x 0.488281 - 62.500000 (mmHg)<br>The highest limit value: Not applicable | | |

# SAE J1979 Mode $06 Test Information: All 1999 Hondas

## SAE J1979 Mode $06 Information by Test ID

| Test ID | $2D | Test Limit Type and Component ID | $01 |
|---|---|---|---|
| DTC | P1457 | | |
| Test Description | Monitoring the fuel tank pressure sensor during decompressing pressure in EVAP vapor line | | |
| Store Timing | Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value x 0.488281 - 62.500000 (mmHg)<br>The lowest limit value: Not applicable<br>The highest limit value: Output value x 0.488281 - 62.500000 (mmHg) | | |

| Test ID | $2E | Test Limit Type and Component ID | $81 |
|---|---|---|---|
| DTC | P1457 | | |
| Test Description | Monitoring the fluctuation of fuel tank pressure sensor output value before and after two-way bypass valve is opened. In this time canister side whose pressure is decreased and fuel tank whose pressure is not decreased are connected with. | | |
| Store Timing | Normal judgement/Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value x 0.488281 (mmHg)<br>The lowest limit value: Output value x 0.488281 (mmHg)<br>The highest limit value: Not applicable | | |

| Test ID | $2F | Test Limit Type and Component ID | $81 |
|---|---|---|---|
| DTC | P1457 | | |
| Test Description | Monitoring the fuel tank pressure sensor output value when evaporative purge control solenoid valve is closed, two-way bypass valve and vent shut valve are opened before canister part decreasing. | | |
| Store Timing | Failure judgement | | |
| Conversion to Engineering Units | Measured value: Output value x 0.488281 - 62.500000 (mmHg)<br>The lowest limit value: Output value x 0.488281 - 62.500000 (mmHg)<br>The highest limit value: Not applicable | | |